Exhibit M



Trademarks

1 Step RoboPDF, ActiveEdit, ActiveTest, Authorware, Blue Sky Software, Blue Sky, Breeze, Breezo, Captivate, Central, ColdFusion, Contribute, Database Explorer, Director, Dreamweaver, Fireworks, Flash, FlashCast, FlashHelp, Flash Lite, FlashPaper, Flash Video Endocer, Flex, Flex Builder, Fontographer, FreeHand, Generator, HomeSite, JRun, MacRecorder, Macromedia, MXML, RoboEngine, RoboHelp, RoboInfo, RoboPDF, Roundtrip, Roundtrip HTML, Shockwave, SoundEdit, Studio MX, UltraDev, and WebHelp are either registered trademarks or trademarks of Macromedia, Inc. and may be registered in the United States or in other jurisdictions including internationally. Other product names, logos, designs, titles, words, or phrases mentioned within this publication may be trademarks, service marks, or trade names of Macromedia, Inc. or other entities and may be registered in certain jurisdictions including internationally.

Third-Party Information

This guide contains links to third-party websites that are not under the control of Macromedia, and Macromedia is not responsible for the content on any linked site. If you access a third-party website mentioned in this guide, then you do so at your own risk. Macromedia provides these links only as a convenience, and the inclusion of the link does not imply that Macromedia endorses or accepts any responsibility for the content on those third-party sites.

Speech compression and decompression technology licensed from Nellymoser, Inc. (www.nellymoser.com).



Sorenson™ Spark™ video compression and decompression technology licensed from Sorenson Media, Inc.

Opera * browser Copyright © 1995-2002 Opera Software ASA and its suppliers. All rights reserved.

Macromedia Flash 8 video is powered by On2 TrueMotion video technology. © 1992-2005 On2 Technologies, Inc. All Rights Reserved. http://www.on2.com.

Visual SourceSafe is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

Copyright © 2005 Macromedia, Inc. All rights reserved. This manual may not be copied, photocopied, reproduced, translated, or converted to any electronic or machine-readable form in whole or in part without written approval from Macromedia, Inc. Notwithstanding the foregoing, the owner or authorized user of a valid copy of the software with which this manual was provided may print out one copy of this manual from an electronic version of this manual for the sole purpose of such owner or authorized user learning to use such software, provided that no part of this manual may be printed out, reproduced, distributed, resold, or transmitted for any other purposes, including, without limitation, commercial purposes, such as selling copies of this documentation or providing paid-for support services.

Acknowledgments

Project Management: Mary Leigh Burke

Writing: Tim Statler

Managing Editor: Rosana Francescato

Editing: Linda Adler, Mary Kraemer, Lisa Stanziano, Anne Szabla Production Management: Patrice O'Neill, Kristin Conradi, Yuko Yagi

Media Design and Production: Adam Barnett, Aaron Begley, Paul Benkman. John Francis, Geeta Karmarkar, Masayo Noda, Paul Rangel, Arena Reed, Mario Reynoso

Special thanks to Lisa Friendly, Bonnie Loo, Erick Vera, the beta testers, and the entire Flash Lite engineering and QA teams.

First Edition: September 2005

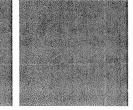
Macromedia, Inc. 601 Townsend St. San Francisco, CA 94103

Contents

Introduction	5
What's new in Flash Lite authoring	5
Guide to instructional media	
Additional resources	6
Typographical conventions	6
Chapter 1: Creating Interactivity and Navigation	-
Keys supported by Flash Lite	
Using tab navigation in Flash Lite	
Handling key events (Flash Professional Only)	
Handling button events (Flash Professional Only)	
Using the soft keys (Flash Professional Only)	20
Chapter 2: Working with Text and Fonts	3
About text in Flash Lite	
Using input text fields	
Font rendering methods in Flash Lite	
Flash Lite rendering quality and anti-aliased text	
Embedding font outlines in SWF files	
Text field example application (Flash Professional Only)	
Creating scrolling text (Flash Professional Only)	
Chapter 3: Working with Sound	49
About sound in Flash Lite	49
Using device sound (Flash Professional Only)	50
Using native Flash sounds	50
Chapter 4: Optimizing content for performance and file size	57
SWF file size and memory	
Performance optimization	
Device speed and frames per second	
Device speed and names per second	0

Chapter 5: Testing Flash Lite Content (Flash Professional Only)63
Overview of Flash Lite testing features (Flash Professional Only)63 Using the Flash Lite emulator (Flash Professional Only)66 Flash Lite error and warning messages (Flash Professional Only)74 Selecting test devices and Flash Lite content type
(Flash Professional Only)
Determining platform capabilities (Flash Professional Only) 81
Appendix: Warning and Error Messages (Flash Professional Only)85
Flash Lite emulator error and information messages (Flash Professional Only)85
Index93

Introduction



This manual describes how to develop applications for mobile devices using Macromedia Flash Lite. You can use various modes of navigation for different devices and how to work with text and fonts. This manual also describes how to manage the runtime memory available to Flash Lite applications running on various models of mobile phones. Using a Flash Lite emulator that is included with Macromedia Flash Professional 8, you can test and debug your application in the authoring tool before you test it on an actual device.

What's new in Flash Lite authoring

Flash Professional 8 includes the following new features to help developers create Flash Lite applications:

Flash Lite emulator The Flash Lite emulator lets you preview your content as it will function on an actual device. The emulator can configure itself to mimic the features available on any supported device. The emulator also provides debugging information that alerts you to potential problems and incompatibilities on the target device.

Device Settings dialog box You use the Device Settings dialog box to select your test devices and Flash Lite content type. When you test your content in the Flash Lite emulator, you can choose the test device you want the emulator to mimic.

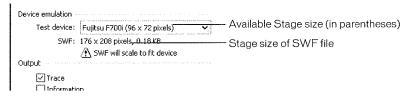
Device document templates Flash Professional 8 includes document templates to let you quickly start creating content for specific devices and content types.

About screen size and available Stage size (Flash Professional Only)

Each combination of target device and Flash Lite content type determines, among other things, the available screen area that a Flash Lite application can occupy. The available Stage area may be equal to, or less than, the device's full screen size.

For example, the Stage area that is available to a SWF file running in full-screen mode in the stand-alone player on a Nokia Series 60 device is equal to the device's full screen size (176 x 208 pixels). On other devices (such as those available in Japan), the Stage area that is available to a SWF file running in one of the specialized content types (such as Address Book or Screensaver) may be less than the device's total screen size. For example, the Fujitsu 700i has a screen size of 240 x 320; however, a SWF file running in the device's Address Book application has 96 x 72 pixels of available Stage area.

If a SWF file's Stage size is different than the available Stage size, the Flash Lite player scales the content (proportionately) to fit within the available Stage area. When you test your content in the Flash Lite emulator, the emulator also warns if your application's Stage size is different from the available Stage area, as the following image shows:



To avoid any undesirable scaling issues, Macromedia recommends that your Flash document's Stage dimensions match the available Stage area for the selected test device and content type.fs

Testing features not supported in the Flash Lite test window (Flash Professional Only)

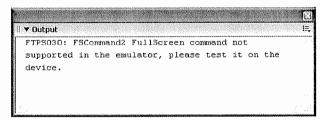
The Flash Lite test window does not support all the features available in the standard (desktop) test window. The following is a list of testing features that are not available when testing your Flash Lite content in the emulator:

- The List Variables (Debug > List Variables) and List Objects (Debug > List Objects) features
- The Bandwidth Profiler, and Streaming and Frame by Frame graphing features
- The View > Simulate Download menu command

- The ActionScript Debugger
- The View > Show Redraw Regions menu command
- The Controller toolbar (Window > Toolbarsf > Controller)

Flash Lite features not supported by the emulator (Flash Professional Only)

The emulator doesn't support all the features that are available to Flash Lite applications running on an actual device. For example, the emulator doesn't support the ability to initiate phone calls or SMS messages. If you attempt to use a command or feature that isn't supported by the emulator, the emulator generates a message in the Output panel, as the following image shows:



The Flash Lite emulator does not support the following fscommand() and fscommand2() commands:

- FullScreen
- GetFreePlayerMemory
- GetTotalPlayerMemory
- Launch
- Quit
- StartVibrate
- GetNetworkConnectStatus
- GetNetworkRequestStatus
- GetNetworkStatus

Error code	Message	Description
FTPS105	This SWF is not in Flash Lite format.	Your application attempted to load a SWF file whose version was not in the Flash Lite format; Flash Lite can load other Flash Lite SWF files or Flash 4-formatted SWF files, only.
FTPS106	Mouse Event (event-name) was ignored because it was not triggered by Keypress.	The emulator detected a mouse event over a button in your Flash Lite application. The current test device does not support a stylus or touch-screen interface, so you can only interact with buttons on the screen using the emulator's keypad or equivalent keyboard shortcuts.
FTPS107	The key will not be processed: device-key. Use FSCommand2 SetSoftKeys to enable this key	You pressed one of the soft keys on the emulator's keypad without first calling the SetSoftKeys command. For more information, see "Using the soft keys (Flash Professional Only)" on page 26.
FTPS108	Invalid FSCommand (command-name) found.	The specified FSCommand() command is not a valid command string.
FTPS109	FSCommand (command-name) not supported in the emulator, please test it on the device.	The emulator does not support the specified FSCommand() command. You must test this SWF file on a device with Flash Lite installed to see if the specified command functions as expected.
FTPS110	Soft keys are not supported in the FlashLite 1.0 player.	The emulator detected that you pressed one of its soft keys but your document's SWF file's version publish setting is set to Flash Lite 1.0. Flash Lite 1.0 does not support soft keys.

Index

A	features unsupported by 72
application modes, in Flash Lite 78	interacting with 66 previewing applications with 66 rotating 70
В	warning and error messages 74, 85 zooming 70
button events about 20 handling 20	Flash Lite rendering quality and text fields 39 default rendering quality 39 font rendering methods about 38
content types in Flash Lite, described 78	applying to text fields 38
content types in Flash Lite, described 70	
The state of the s	. 0.11
device settings about 76 selecting test devices and content type 76 device sound	input text fields and the focus rectangle 37 example application 42 restricting characters in 37 interactivity
about 50 adding 51 triggering in Flash Lite 1.0 53	creating a menu with buttons 22 creating a menu with movie clips 10 creating, with buttons 20 detecting keypresses 14
purious general general	handling keypress events 13 tab navigation 9
embed font outlines about 40	using the soft keys 26
how to 40 emulator. See Flash Lite emulator	K
Flash Lite emulator about 63 changing test devices 67	keypress events ActionScript key codes 14 creating a key catcher button 14 handling with ActionScript 13 supported keys 8 writing a key handler script 14
debug options 69	

M	
menus creating with buttons 22 creating with movie clips 16	tab navigation about 9 example application using 22 focus rectangle 11
native sound, about 56 navigation. See tab navigation	four-way 10 four-way with wrap-around 10 guidelines for 12 modes of 9 two-way 10
optimizing ActionScript 61 animation performance 58 bitmap graphics 58, 59 bitmap versus vector graphics 59 file size 57 frames per second 61 memory 57 performance 57	text fields creating scrolling text 45 font rendering methods, about 32 input text fields, using 34 restricting characters in input text fields 37
platform capabilities, determining 81	
S	
soft keys SetSoftKeys command 26 using 26	
sound about 49 compound 54 device 50 device and native 49 event and streaming 50 Sound Bundler utility 54 Sound Bundler utility, using for compound sounds 54 Stage available 72 screen size and 72	